

The I-69 Development Partners Team considers Quality Assurance and Quality Control (QA/QC) are very important topics in any design and build project. Although a D&B Quality Manager is not requested, we have added one to our Team as additional information (as permitted by section 6.3 of the RFQ). Thomas Maki will be the person responsible for Quality Assurance and Quality Control working for the D&B Team.

## C. Thomas Maki, PE

Vice President  
Design Build Quality  
Manager  
**AZTEC Engineering**

### Education

B.S., Civil Engineering, B.S.,  
Michigan Technological  
University, 1971

### Registrations/licenses

Professional Engineer:  
Michigan 6201024333  
Florida 68925  
Texas 109243  
Nevada 0216328  
Arizona 54362

**Years of experience:** 41

**Years with current firm:** 5

### References

#### Mark Geib, PE

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#### Tapan Datta, PE

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Mr. Maki is a Vice President with AZTEC, responsible for developing and managing engineering services for large corridor management and Public/Private/Partnership (PPP) infrastructure projects. He performs program/project management oversight of large road and bridge projects. He is a creative, results oriented executive with experience in marketing, building, and leading high performing business enterprises. He is committed to monitoring product delivery processes that ensure excellent adherence to schedule and budget guidelines. Mr. Maki's background includes organizational staffing, operations, enhanced product delivery, and other environmental regulatory compliance documentation.

Relevant experience:

**I-595 Managed Lanes, P3; Ft. Lauderdale, FL (ACS-Dragados-FDOT):** Project Manager for the coordination and design of two zones of the large \$1.5 Billion reconstruction project. This is a Public/Private Partnership between ACS/Dragados and the Florida Department of Transportation that includes design-build, toll lanes, and an accelerated schedule. Design/Build specific tasks:

- Coordinated design tasks between prime and sub consultant designers
- Worked with sub consultants on traffic control design for individual zones of the I-595 corridor project
- Participated in Prime-Sub design coordination meetings that discussed schedule, zone coordination, and design details
- Reviewed RFI's and construction design issues
- Monitored Project Controls activities between on-site and main office staff that included Budget, Schedule, QA/QC processes, and Risk management
- Coordinated with structural designers on bridge design alternatives, piling types, elevations issues, and strategies for part-width construction to existing structures

- Worked with designers on project drainage alternatives, pump station locations, and French Drain sizing and location
- Extensive work on utility conflict resolutions, utility adjustments, and coordination with utility companies
- Coordinated with geotechnical consultants for design alternative analyses to provide for cost effective solutions to overall project design features
- Coordinated with adjacent project zone designers on Constructability and Stage Construction design features.

**Senior Program Manager/Associate Vice President, Houston, TX:** Mr. Maki directed the marketing, establishment, and oversight of the large \$2B US 290 program management project. Program Management/GEC specific tasks:

- Led the development of the Preliminary Planning, Alignment, Geometrics, and Schematic for the project
- Coordinated with the State agency on design details such as ROW, Utilities, Drainage, Maintenance of Traffic, and Constructability
- Established the Project Controls section that administered Document Controls, IT Applications, Primavera Schedule Development, Budget/Cost Management, Risk Management, and QA/QC functions
- Coordinated with the State agency on the Alignments and Schematic for the 30 mile corridor
- Performed Cost Estimates for all project features to establish budgetary goals for the State agency
- Managed and coordinated the activities of the individual Section Design Consultants for adherence to schedule and quality guidelines
- Set performance management goals for designers

**Chief Operations Officer, Lansing, MI (Michigan Department of Transportation):** Mr. Maki delivered the Department's yearly \$1 .5B Capital Improvement Program.

He executed the Department's goals and objectives in providing the tools to 2500 employees in the Bureau of Highway Operations, Bureau of Highway Technical Services, and the Bureau of Planning to deliver the annual program ahead of schedule and within budget.

**District Engineer, Kalamazoo, MI (Michigan Department of Transportation):** Mr. Maki administered all Department activities in the nine county district in southwest Michigan.

**I-275 Corridor Reconstruction Program, Livonia, MI:** Served as the project manager for the corridor reconstruction program in Oakland County and Wayne County, Michigan. As part of this project, Tom initiated the effort, obtained the funding, and led the prioritization of reconstruction projects for the entire 30+ mile corridor. He led the design plan development and later expedited the entire construction program.

**I-696 Reconstruction, Farmington Hills, MI:** Resident Engineer managing the complete reconstruction of 10 miles of urban freeway along with new bridge structures and other improvements for the Michigan Department of Transportation.